SBM No: 45/14-15 dt 28.5.2015

Original/Duplicate/Triplicate

Est. Cost. LAKHS

CONTRACT CERTIFICATE

(For Other Works)

1ST & FINAL BILL

No.....

Division **DD** Sub-Division **DD**

Date : .....

Bill Received No. 308 Dated 13/10/14

Cash Book Voucher No. ..... Dated :.....

Scheduled Doctet No.....

Head of Account .....

Name of work (as per sanctioned estimate) RESERVE FOR EMERGENCY WORKS IN BAGALUGUNTE IN WARD NO.14 (DRILLING OF BOREWELL PROVIDING PUMPING MOTOR AND ACCESSORIES PIPE LINE FOR SUPPLYING OF WATER TO SAMPANGIRAMAIAH LAYOUT NMH LLAYOUT, SHESHADRI LAYOUT MHR LAYOUT, SIDEDAHAALLI VISWESHWARAIAH LAYOUT) IN BAGALAGUNTE WARD NO.14

Name of Contractor and Full Address TECHNICAL MANAGER WEST, KRIDL

Reference to Agreement No. EE/DD/WO/05/14-15 Date: 5.5.2014

Certified that the measurements were taken by me on 20/5/2015 and recorded in pages 340 201 to 340 213 of measurements Book No. 3403 and that the work is satisfactorily executed.

Technical Manager-2 KRIDL, BBMP Bangalore - 560 001

Contractor

Officer in - charge of work

Certified that the measurements were checked by me on 20/5/15 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment WORK CODE : **014-13-000171**

Sub - Division Officer

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	--
3.	- do - Balance	--
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
	Total	--
	Total amount adjusted	--

Bill Amount - 2968370=00

IT - 59367=00

VAT - 118735=00

FSD - 148419=00

LWC - 29684=00

CBF - 2968=00

Fine - 2900=00

(-) 362073=00

Net - 2606297=00

Received Rs. ..... (in words)

..... by cash and by adjustment of

Payment as per memorandum.

Witness :

1.

2.

Date

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Contractor Signature

Technical Manager-2 KRIDL, BBMP Bangalore - 560 001

Stamp

Signature of Contractor

Technical Manager-2 KRIDL, BBMP Bangalore - 560 001

(For use in the Office)

2968370=00

Audited and admitted for Rs. .....

Passed by Cheque for Rs. 2606297=00

(..... .....)

by 362073

Accounts Superintendent

Exe. Engineer

B.B.M.P. Dasarahalli Division

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement			Present Measurement			Total Up-to-date		Remarks
			Qty	Rate Rs. Ps.	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal and labour required etc	Nos				4.00	1882.00	7528.00	4.00	7528.00	
2	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG and above 900 CFM and abaove in all strats including over burden upto 20mm fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)							0.00	0.00	0.00	
	0.00 to 50 mtrs	Rmt				200.00	306.00	61200.00	200.00	61200.00	
	50 to 100 mtrs	Rmt				200.00	400.00	80000.00	200.00	80000.00	
	100 mtrs to 150 mtrs	Rmt				200.00	445.00	89000.00	200.00	89000.00	
	150mtrs to 200 mtrs	Rmt				200.00	470.00	94000.00	200.00	94000.00	
	200.00 to 250.00 mtrs	Rmt				200.00	544.00	108800.00	200.00	108800.00	
	250.00 to 300.00 mtrs	Rmt				200.00	583.00	116600.00	200.00	116600.00	
3	Supplying of ISI mark 175 mm nominal bore plain end steel casing pipe grade of steel Fe 410, of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest emendmetns electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxyzen process in random length of 4 to 7 mtrs, both ends threaded confirming to IS 554/1985, one end fixed with screwed pipes, all pipes shall be reasonably straight should be										
	Casing pipe	Rmt				180.00	1325.00	238500.00	180.00	238500.00	
	Additional rate on item No.2 is allowed for drilling in over burden and following casing pipes beyond 20 mtrs rate at 15% and beyond 30 mtrs 30% on basic rate of Rs.270 is allowed										
	Above 20 mtrs and upto 30 mtrs	Mtr				40.00	40.50	1620.00	40.00	1620.00	
	Above 30 mtrs	Mtr				120.00	86.10	10332.00	120.00	10332.00	
	Providing 175mm dia MS Collar	No				40.00	150.00	6000.00	40.00	6000.00	
	Providing 175mm dia MS Cap	No				4.00	100.00	400.00	4.00	400.00	
	Supply and delivery at site brand new Texmo/Innoval/Lubi/Sabar/Atalanta/calamal/ waterman/radha make suitable vertical installation in 150mm dia. Borewells composing of single stage stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type squirrel cage submersible induction motor suitabled for operation of 3 Ph, 50Hz., 380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc., complete. The pump and motor shall form an intergral unit with all the required fittings. (As per RDED aproved by KUWS & DB wef 16/5/2006) 10 HP 24	Rmt				5.00	71265.25	356326.00	5.00	356326.00	
	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts as per 1x3x4 sqm of 56 strands 0.3mm dia Group A	No				3100.00	159.50	494450.00	3100.00	494450.00	
	Supplying and fixing 50mm non return valve of vertical type of aplproved make including cost of all materials labour HOM of equipment with all leads compelte as per specification	No				5.00	1600.00	8000.00	5.00	8000.00	
	Supplying and fixing 175mm borewell cap with clampset	No				5.00	1145.00	5725.00	5.00	5725.00	
	Supplying and fixing 50mm dia GI union	No				5.00	690.00	3450.00	5.00	3450.00	
		No				5.00	223.70	1119.00	5.00	1119.00	

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement			Present Measurement			Total Up-to-date		Remarks
			Qty	Rate Rs. Ps.	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
32	Cutting of road surface and pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., cutting in Asphalt road surface	Cum				78.25	255.00	19954.00	78.25	19954.00	19924=00
33	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.	No				281.25	227.88	64091.00	281.25	64091.00	
34	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.	No				625.00	157.00	98125.00	625.00	98125.00	
35	Supplying and fixing 50mm GI pipes B class heavy duty	No				50.00	325.00	16250.00	50.00	16250.00	
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item.	No				281.25	60.48	17010.00	281.25	17010.00	
37	Disposing of excavated earth to the final place of disposal with all lead and lift and as directed by the Engineer in charge of the work lead upto 2 km	No				548.84	72.88	39999.00	548.84	39999.00	5702=00
38	Transportation of pumping machineries	Cum				5.00	850.00	4250.00	5.00	4250.00	
39	Erection of pumping machineries	Ls				5.00	850.00	4250.00	5.00	4250.00	
40	KRIDL CHARGES 10%+ 3%							296470.00		296470.00	2698518 269852=00
	CERTIFICATE:							299975.00		299975.00	2999025=00
1	Work done is satisfactory										
2	There are no departmental issuesmade to the contractor										
3	The contractor has cleared all debrice from work spot										

Rupees in words ... Twenty nine lakh ninety nine thousand nine hundred and seventy five only

PDfd - 29,68,370

ಕಿರಿಯ ಪಂಚಾಯತ್ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿಯವರು
ಚ. ದಾಸರಹಳ್ಳಿ ಮಂ: ಬೆಂಗಳೂರು
ಮುಖ್ಯ ಪಂಚಾಯತ್ ಅಭಿವೃದ್ಧಿ ಅಧಿಕಾರಿಯವರ ಕಾಲೇಜ
ಕಾಡುಗೊಂಡನಹಳ್ಳಿ, ಬೆಂಗಳೂರು - 560073.

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement			Present Measurement			Total Up-to-date		Remarks
			Qty	Rate Rs. Ps.	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
13	Supply and fixing 50mm GI Elbow	No				15.00	219.00	3285.00	15.00	3285.00	
14	Supply and fixing 50mm GI coller heavy duty	No				250.00	150.00	37500.00	250.00	37500.00	
15	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best indigenous make combined energy meter cum control panel board unit of sie 1200x600x350 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 Hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset with Star delta starter out door type 10 HP to 20 HP	No				5.00	10000.00	50000.00	5.00	50000.00	
16	Providing and fixing of 50mm GI pipe C Class heavy duty for erection of submersible pumpset	No				1450.00	374.00	542300.00	1450.00	542300.00	
17	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete	No				5.00	475.00	2375.00	5.00	2375.00	
18	Supplying of TPST with rewireable porcelain Channels in SM encloser 32 amps	Cum				5.00	1320.00	6600.00	5.00	6600.00	
19	Supplying and fixing 500 x 500x 65 mm polished wood board made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts 20"x2'"x2.5"	Cum				5.00	302.50	1513.00	5.00	1513.00	
20	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 Hz V DC	Cum				15.00	385.00	5775.00	15.00	5775.00	
21	Supplying and drawing each PVC insulated 650/100V grade wire in the conduct (Open or concealed system of wiring)7/20 or 7/36 copper wire	Rmt				50.00	27.50	1375.00	50.00	1375.00	
22	Supplying fixing and wiring heavy duty low voltage capacitors confirming to 12834, 3 phase 400/440 volts grade for power fctor improvement of rorating machinery capacitor in KVAR	Cum				5.00	385.00	1925.00	5.00	1925.00	
23	Supplying and fixing mainature circuite breakers in existing MCB distributin boards using necessary fixing materials and 'C' type curve, indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10 K compelte wiring complete as	Rmt				5.00	1182.00	5910.00	5.00	5910.00	
24	Supplying, fixing , wiring earth electrode for grounding conduits. IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduct etc., is to be etablished through GI wire of size as epr ISI specification 7.3.3. IS 732 using 12mm dia bolts, nuts, washers and check nuts, etc., the pipe shall	Cum				5.00	1650.00	8250.00	5.00	8250.00	
25	Supplying and fixing class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole / wall / drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm	Cum				50.00	242.00	12100.00	50.00	12100.00	
26	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm	Cum				150.00	165.00	24750.00	150.00	24750.00	
27	Labour charges for laying 1.1 KV class UG cable when supplied departmentally/agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required (a) 6 sqmm to 16 sqmm.	sqm				150.00	5.50	825.00	150.00	825.00	
28	Digging of trench of 0.6m p x 0.50mtr vide refiling the trench to the required ground level and consolidation etc., complete cutting road surface	No				75.00	44.00	3300.00	75.00	3300.00	
29	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound compelte with terminals clamsp, bolts nuts and washers etc., for 16 sqmm	Cum				5.00	264.00	1320.00	5.00	1320.00	
30	Supplying and fixing of porcelain fuse channel with cut out on existing new wooden panel using necessary nuts, bolts and washers etc., complete	sqm				30.00	440.00	13200.00	30.00	13200.00	
31	BESCOM Deposit charges	Ls				5.00	15000.00	75000.00	5.00	75000.00	63563=00

63563=00